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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gavin Vinson  
Serial No. : 10/580,081  
Filed : May 18, 2006  
Title : REGULATION OF SPERM FUNCTION

Art Unit : Unknown  
Examiner : Unknown  
Conf. No. : 6917

## MAIL STOP AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants disclose the 11 documents listed on the attached form PTO-1449. Copies of 5 of the 8 disclosed literature documents are enclosed. Also enclosed is a copy of a search report dated March 15, 2005, issued in corresponding International Application PCT/GB2004/004912 and a copy of a search report dated November 5, 2004, issued in corresponding United Kingdom Application GB0327046.9. The two search reports list all of the documents disclosed herein.

Note that to meet the requirement for providing "a concise explanation of the relevance" of all references not in English, one may provide an English-language version of a search report in which the relevance of the cited references is indicated. See the Manual of Patent Examining Procedure, Section 609 A(3). Applicants do not believe that they are required to provide copies of English-language literature documents AM, AO, AR not available to them, which are cited in the UK search report to indicate technological background and/or state of the art.

This statement is also being filed before the receipt of a first Office action on the merits. Please apply any charges to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 10-12-06

Y. Rocky Tsai, Ph.D., J.D.  
Reg. No. 34,053

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906  
21447442.doc

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit 10-12-2006  
Signature   
Typed or Printed Name of Person Signing Certificate Christine Powers

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RAD/

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20993-002US1	Application No. 10/580,081
<b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary) <small>(37 CFR § 1.98(b))</small>		Applicant <b>Gavin Vinson</b>		
		Filing Date <b>May 18, 2006</b>	Group Art Unit	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,389,519	02/14/1995	Bronson	435	7.21	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AH	WO 01/13932 A2	03/01/2001	WIPO	A61K	38/00		
	AI	WO 95/32725	12/07/1995	WIPO	A61K	38/08		
	AJ							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AK	Fraser et al., "Calcitonin, Angiotensin II and FPP Significantly Modulate Mouse Sperm Function", Molecular Human Reproduction 7:245-253, 2001, XP-002319525.
	AL	Fusi et al., "Sperm Surface Fibronectin Expression Following Capacitation", Journal of Andrology 13:28-35, 1992, XP009044553.
	AM	Glander et al., "Adhesion Molecules and Matrix Proteins on Human Spermatozoa", Andrologia 30:289-296, 1998.
	AN	Izadyar et al., "Development of a Cryopreservation Protocol for Type A Spermatogonia", Journal of Andrology 23:537-545, 2002.
	AO	Pinke et al., "Analysis of Fibronectin on Human Sperm", J. Urology 158:936-941, 1997.
	AP	Vinson et al., "Angiotensin II Stimulates Sperm Motility", Regulatory Peptides 67:131-135, 1996, XP-00979550.
	AQ	Wennemuth et al., "Influence of Fibronectin on the Motility of Human Spermatozoa", International Journal of Andrology 20:10-16, 1997, XP009044560.
	AR	Wessel et al., "Effect of Angiotensin II on the Motility of Fresh and Frozen-thawed Equine Spermatozoa", Theriogenology 58:265-0267, 2002.

Examiner Signature <i>/Ruth A. Davis/ (11/05/2009)</i>	Date Considered <i>11/05/2009</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	